Handout 3

REPRODUCTION IN PLANTS

1. Sexual Reproduction involves two parents forming two types of gametes , male gametes and female gametes.
2. Flowers are the reproductive parts of a plant .They bear sex cells or the male gametes and the female gametes.
3. A flower may be unisexual with either the male or the female reproductive parts.
4. A bisexual flower has both the male and female reproductive parts.

5.The male gametes are found inside the pollen grain and female gametes are found in the ovules.

6.Pollination is the process of transfer of pollen grains from the anther of one flower to the stigma of the same or another flower.

7.Pollination is of two types ,self pollination and cross pollination .In self pollination ,pollen grains are transferred from the anther to the stigma of same flower .In cross pollination , pollen grains are transferred from the anther of one flower to the stigma of another flower of the same kind.

8.Pollination takes place in plants with the help of wind, water and insects.

9. The fusion of male and female gametes is called fertilization .

10.Fertilised egg is called zygote. zygote develops into an embryo.

11. Fruit is the mature ovary whereas ovule develops into a seed , which contains the developing embryo.

12.Seed dispersal is aided by wind , water and animals.

13. Seed dispersal helps the plants to prevent overcrowding , avoid competition for sunlight ,water and minerals and invade new habitats .